## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER U-R-2-61 Relating to Certification of New Heavy-Duty Off-Road Equipment Engines

## CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board at Sections 43000.5, 43013, and 43018 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9; and

IT IS ORDERED AND RESOLVED: That the following diesel engines and exhaust emission control systems produced by the manufacturer are certified as described below for use in heavy-duty off-road equipment:

Model Year: 2000

Typical Equipment Usage: Generator Set

Engine Power Ratings Range: over 750 horsepower

Fuel Type: Diesel

	Displacement		Exhaust Emission Control
Engine Family	<u>Liters</u>	Cubic Inches	Systems and Special Features
YCEXL050.ABA	50.0	3070	Turbocharger
(B283)			Charge Air Cooler

The engine models and codes are listed on attachments. Production engines shall be in all material respects the same as those for which certification is granted.

The exhaust emission certification standards and certification values in grams per brake horsepower-hour (g/bhp-hr) for total hydrocarbons (THC), carbon monoxide (CO), nitrogen oxides (NOx), and particulate matter (PM), and the opacity-of-smoke certification standards and certification values in percent (%) during acceleration (Accel), lugging (Lug), and the peak-values from either mode (Peak) for this engine family are as follows (Title 13, California Code of Regulations, Section 2423):

Exhaust Emissions (g/bhp-hr)				Smoke Opacity (%)			
Standard	<u>THC</u> 1.0	<u>CO</u> 8.5	<u>NOx</u> 6.9 5.4	<u>PM</u> 0.4	<u>Accel</u> 20	<u>Lug</u> 15	<u>Peak</u> 50
Certification	0.3	1.0	J.4	Ų.Z	<del></del>		

BE IT FURTHER RESOLVED: That the listed engine models comply with "Exhaust Emission Standards and Test Procedures—Heavy-Duty Off-Road Diesel-Cycle Engines" (Title 13, California Code of Regulations, Section 2423) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed engine models also comply with "Emission Control Labels—1996 and Later Heavy-Duty Off-Road Diesel-Cycle Engines" (Title 13, California Code of Regulations, Section 2424) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Sections 2425 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Executed at El Monte, California this 30 day of December 1999.

R. B. Summerfield, Chief Mobile Source Operations Division

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## Engine Model Summary Form

Manufacturer: Cummins Engine Company, Inc

Engine category: Nonroad CI

EPA Engine Family. YCEXLO50.ABA

Mfr Family Name: B283

Process Code: New Submission

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